

NYSRC ICAP WORKING GROUP MEETING MINUTES
Meeting No. 9 – July 25, 2000

The ninth meeting of this Working Group was held on July 25, 2000 at the NYISO Operations Center. Attendance is listed below.

Members/Alternates Present:

Mr. Tom Baldi (ConEd)
Mr. Jordan Brandeis (NYPA)
Mr. John Charlton (NYSEG)
Mr. Mark Cordeiro (Municipals) – Chairman
Mr. Curt Dahl (KeySpan/LIPA)
Mr. Larry Eng (NMPC)
Mr. Michael Hogan (CHG&E) – Secretary

Advisers/Non-member Participants Present:

Mr. John Adams (ISO)
Mr. Alan Adamson (Consultant)
Mr. Art Desell (ISO)
Mr. Greg Drake (ISO)

Members/Non-members/Advisers Absent:

Mr. Keith O'Neal (NYPSC)
Mr. Roger Clayton (PG&E)

AGENDA

1. Review and Discuss Open Session
2. Data Updates
3. Other Business
4. Set schedule for future meetings (August & September)
5. **OPEN SESSION** @ 11:30 a.m.
 - 5.1 Review Reliability Rules Subcommittee assignment list
 - A. Schedule to complete studies for determining the 2001-02 capability period IRM by December 31, 2000.
 - B. Identify any updates required to ICAP model and study assumptions.
 - C. Review ICAP Study practices in other control areas.
 - D. Comments on the ISO Study that examines the reliability impacts of decreasing the obligation period for procuring ICAP from six months down to one month.
 - 5.2 Other Business

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5.3 Schedule for future meetings (August & September)

CLOSED SESSION

1. REVIEW AND DISCUSS OPEN SESSION

C.

- In preparation for the open session, there was a brief review and discussion of the April 8th assignment list from the Reliability Rules Subcommittee. Mr. Adamson summarized the additional assignments added to this list. See item #5.1 below for summary.

2. DATA UPDATES

- Generator Availability: NERC GADS data is now required to be supplied to the NYISO as of January 2000. However, there is an insufficient amount of data to explicitly include in this years study. A request was made to all Transmission Owners to release, if they can, the NERC GADS availability data for 1997, 1998 and 1999.

3. OTHER BUSINESS

C.

- D. **3.A Proposal for Long Range (3 year) Study** – Discussed the need to assess the impacts that changes in the system (i.e. new resource) would have on reliability. A draft work scope will be developed for the next meeting to better focus on the appropriateness of this type of study for this WG. This activity will in no way interfere with the current assignment of completing the 2001 NYCA Installed Reserve Study.

E.

- 3.B Unit FOR Uncertainty** – It was suggested that the Group specifically review this item because of the similarity between the “distribution of actual deviation of forced outages around the expected value” curve and the MARS distribution curve (handouts).

C.

- 3.C Distributed Resources** – The Group discussed the growing need to address how best to model distributed resources.

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C.

3.D HQ Emergency Assistance to NYCA – The Group discussed that if HQ is wheeling its energy through NYCA, the wheel cannot be cut. Therefore, assuming the maximum tie limit is being utilized, there would be no emergency assistance remaining on the interconnection other than what is firm capacity to NYCA. All else being equal, no additional emergency assistance from HQ would drive NYCA's IRM requirement higher. The reliability impact of this needs to be reviewed and any conclusions reflected in the final Study report.

3.E Manpower – Develop a budget and obtain approval to secure the services of Mr. Frank Vitale to assist the WG again in the development of the documentation for the Study.

4. FUTURE MEETING SCHEDULE

- See Open Session item #5.3 below.

5. OPEN SESSION

5.1 REVIEW AND DISCUSS ASSIGNMENT LIST

5.1.A The schedule to complete the Study for determining the 2001-02 capability period IRM is December 31, 2000. To meet this schedule, a draft of the Study's assumptions appendix should be presented to the RRS for review by the beginning of September.

5.1.B The status and schedule for WG actions for reviewing and updating ICAP Model, are as follows:

- 1. Load Uncertainty** – 1999 experience will be reflected in study, due out in August.
- 2. Load Shape Model** – Review the suitability of the present load shape model, including impact of municipals. 1995's shape appears to still provide a more conservative IRM. Further descriptive information on this is required and will be included in the Study's assumption appendix.

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3. Generation Availability

- 3.1 In an effort to update the availability data, as much as possible, any company in a position to release to the ISO the NERC GADS data is being asked to do so for the years 1997 to 1999. This data needs to be provided within the next couple weeks in order to have sufficient time to be incorporated into the study.
- 3.2 Review national trends via NERC Data. The Study's assumption appendix will address this issue.
- 3.3 Environmental restrictions influence on generation availability. The Study's assumption appendix will address this issue.

4. Generation Capacity

- 4.1 Temperature impacts on generator availability. A summary of the relationship of temperature versus available capacity will be included in the Study's assumption appendix.
- 4.2 Unforced Capacity – Determine the impact on last years study. A description of the impacts will be incorporated into the final Study report.

5. Transmission Availability – Review publications on transmission availability impacts of high temperatures, aging, and operations under the new market structure. Any necessary modifications to the model will be identified and presented in the Study's assumption appendix.

6. Transfer Limits – Impacts of multiple transmission outages. This has already been addressed to some degree in the last study with the NYC cables. Any additional modifications to the model will be identified and presented in the Study's assumption appendix.

7. Emergency Assistance – Impacts of new market structure on reserve sharing and CBM/TRM. Any necessary modifications to the model will be identified and presented in the Study's assumption appendix.

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- 8. Criteria Review** – Review criteria for acceptability of current LOLE and VR criteria, statewide and local areas.

Cases To Assist in this Effort:

- #1 - Base Case (2 voltage reduction), last years study
- #2 - No Voltage Reductions (1 day in 10)
- #3 - 1 day in 15 (with voltage reductions)
- #4 - 1 day in 20 (with voltage reductions)
- #5 - 1 day in 20 (without voltage reductions)

9. IRM IMPACT - Other Sensitivities

Cases (versus last years study).

- Impact of including all “energy only” NUGs and Homer City
Schedule to Complete: To Be Determined.
- Include Long Island internal limits, East/West transfer issue. This is not a significant issue for this study but will likely become more critical in future studies.
Schedule to Complete: To Be Determined.

- 10. Review Reliability Rules** – Review and recommend any changes, if appropriate, to the existing Reliability Rules.

Schedule to Complete: To Be Determined.

- 11. Review Compliance Template** – Review and comment on Compliance Template, used to determine adherence with the reliability rules.

Schedule to Complete: To Be Determined.

5.1.C Review of ICAP Study practices in other control areas – This was reviewed as part of the Brattle Group’s “Shortening the NYISO’s Installed Capacity Procurement Period: Assessment of Reliability Impacts” May 2000 report. That report will be reviewed and addressed in this Study as needed.

5.1.D Discussed the ISO Study that examines the reliability impacts of decreasing the

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obligation period for procuring ICAP from six months down to one month. Given that the WG was to review and comment on the MARS work performed by the ISO and the fact that no MARS runs were ever performed in the ISO's analysis, there is no formal action required by this WG.

5.2 OTHER BUSINESS

5.2.A CP8 Working Group - Discussed the request made to the CP8 Working Group for the supporting data. It was suggested that obtaining the data for this study is unlikely due to confidentiality issues. However, if it is made available in time, it will be incorporated into this Study.

5.2.B ISO/MOU Working Groups - Discussed the creation of two new Working Groups. There will be a Generator Interconnection Coordination WG and a Capacity Planning WG. Mr. Adams indicated that he would be involved in the Capacity Planning WG. However, all are welcome to join and anybody on the RC ICAP WG wishing to join should sign up by the end of July.

5.3 SCHEDULED FUTURE MEETINGS

- Tuesday, August 29, 2000, at the NYISO Operations Center @ 9:30 a.m.
- Tuesday, September 12, 2000, at the NYISO Operations Center @ 9:30 a.m.